



EPILOG LASER

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Machine Type: Mini 18x12, Mini 24x12, Helix 24x18

Procedure Title: X axis Encoder read head replacement

Tools Required: Large #2 Phillips head screwdriver
Small #3 Phillips head screwdriver
3/32 Allen Wrench

1. Make sure the engraver is shut off. Open the plexi-glass window on the engraver. Pull the X-axis beam to the front of the engraver. The X-axis beam is what the laser head travels left and right on.
2. You will need to remove the gray cover that has the Epilog logo written on the X axis I beam. Using a #1 Phillips head screw driver, loosen (do not remove) the 7 screws, two in the front and 5 on the back. Once the screws are loosened, take the cover off and set it aside.
3. Locate, the white flex (ribbon) cable that runs the length of the inside of the X-axis beam. Disconnect cable from the small green circuit board located above lens head.

(be sure to either wear a ground strap or keep skin contact to the frame for the next step)

4. Now you must remove the green circuit board above lens head. This board is held down by 2 Allen screws going through some aluminum tabs. Use the 3/32 Allen wrench on these screws to remove them. Take the board out. Take the new read-head board and screw it in, placing it in exactly as the original that you just removed. Note that it is important that the brown read-head located under the green board is situated over the thin plastic optical strip where it does not touch the strip. In other words, there should be a small space between the thin strip that runs the length of the x-axis beam, left to right, and the brown read-head's inner walls.

A. Note: If you push the reader toward the front of the machine before tightening down the screws it will help align the reader correctly.

5. Once you have the new read head secured on the green board, plug the flex cable back into the reader then put the cover back on and secure all the screws down.

As always, if you have any questions, please feel free to contact us at the Technical Support Dept listed below.

Epilog Technical Support

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